DOCUMENT RESUME

ED 046 743 SE 010 615

TITLE	Reading in Marine Science, A Partially Annotated Bibliography for Young Readers, Nonprofessionals, and Teachers.
INSTITUTION	Oregon State Univ., Corvallis. Dept. of Oceanography.
PUB DATE	Jul 68
NOTE	28p.
EDRS PRICE	EDRS Price MF-$0.65 HC-$3.29
DESCRIPTORS	*Annotated Bibliographies, *Bibliographies, Earth Science, *Environment, *Oceanology, Resource Materials

ABSTRACT

Included is a partially annotated bibliography of mostly non-technical books for non-professional readers, young readers, and teachers. There are about 300 entries grouped into these subjects: general references, historical and exploration, biological oceanography, chemical oceanography, geological oceanography, and physical oceanography. (PR)

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Reading in Marine Science

A Partially Annotated Bibliography for Young Readers, Nonprofessionals, and Teachers

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Department of Oceanography
Oregon State University
Corvallis, Oregon

SE 010 615

Reading in Marine Science

Prepared by VICTOR T. NEAL and SALLY A. KULM

Preface

The recent rapid growth in the field of marine science has led to an accelerated production of books on ocean-related topics. Information on published materials is limited. A recently published list of books on oceanography entitled "Oceanographic Books of the World—1957-1966" was prepared by K. O. Emery, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, and Evelyn Sinha, Oceanic Research Institute, La Jolla, California. Such lists are invaluable to the nonprofessional as well as the professional.

To further assist the nonprofessional reader and the teacher in the Pacific coast areas, we have compiled a partially annotated list of mainly nontechnical books in the field of marine science. These have been classified by subject as follows:

1. *General References*—Books in this category have fairly good coverage of two or more broad areas of oceanography or are on general topics not covered in the other categories.
2. *History and Exploration*—The beginning of oceanography is closely tied to early voyages of exploration. Books about such explorations, as well as about specific oceanographic expeditions and underwater diving, are included in this group.
3. *Biological Oceanography*—This category includes books principally about living organisms in the oceans. Some books are devoted to specific groups of plants or animals, while others are more general.
4. *Chemical Oceanography*—The chemical nature of seawater and processes for extracting elements from seawater are the topics generally covered in this classification. The extraction of fresh water from seawater is included.
5. *Geological Oceanography*—Books on undersea topography and geologic processes are included in this group. Topics include seamounts, submarine canyons, trenches, mid-oceanic ridges, and deposits on the sea floor.
6. *Physical Oceanography*—Topics generally covered in this group concern physical processes involving waves, tides, currents, ocean weather, and the distribution of temperature and density in the oceans.

Comments have been included where practical. If a book was not readily available, the information was obtained from book reviews, publisher's comments, and other book lists prepared by such professionals as Drs. June G. Pattullo and Joel W. Hedgpeth of the Department of Oceanography, Oregon State University.

This list naturally has certain limitations. It is not inclusive even at the date of publication, as new books are continually being published. Emphasis has been placed on listing books concerned with the Pacific coast rather than the Atlantic coast. Very few of the books included are technical in nature. Prices listed are subject to change, and should be used only as a general guideline.

Many books are available in either paperback or hard cover; in such cases, the paperback edition is usually listed. For simplicity, only one publisher is listed for each book. Books may go out of print without notice, while some books previously out of print may now be back in print. Many older books, even though out of print, will still be available in libraries.

Magazines supply readers with many interesting articles in the field of marine science. Many publications are easy to read and full of beautiful color illustrations or photographs. Some such magazines are *Sea Frontiers, Oceanology International, Ocean Industry, Underwater Naturalist, Scientific American,* and *National Geographic.* Because of their volume, we have not included any articles in this bibliography.

General References

ADLER, IRVING and RUTH. *Oceans.* (The Reason Why Series.)
New York: John Day Co., 1962, 48 pp. ($2.75).
Young reader (gr. 2-5).

AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS. *Modern Developments in Marine Sciences.*
North Hollywood, California: Western Periodicals ($15).

ARNOLD, OREN. *Marvels of the Sea and Shore.*
New York: Abelard-Schuman, Ltd., 1963, 158 pp. ($3.75).
Young reader (gr. 3-7).

ARNOV, BORIS, JR. *Oceans of the World.*
Indianapolis, Ind.: Bobbs-Merrill Co., Inc., 1962 ($3.50).
Young reader (gr. 5-9).

ARNOV, BORIS, JR. and H. M. S. MINDLIN. *Wonders of the Deep Sea.*
Eau Claire, Wisc.: E. M. Hale and Co., 1965 ($2.10).
Young reader (gr. 3-5).

BARNETT, LINCOLN and Editorial Staff of LIFE. *The World We Live In.*
New York: Time-Life Books, 1955 ($13.50).
Excellent color pictures of various aspects of the ocean.

BIXBY, WILLIAM. *Seawatchers: Oceanographers at Work.*
New York: David McKay Co., Inc., 1967, 215 pp. ($4.25).
Junior and senior high school.

BOY SCOUTS OF AMERICA. *Sea Exploring Manual.*
New Brunswick, N. J.: Boy Scouts of America, 1966 ($2.45).
Young reader (gr. 6-12).

BRIGGS, PETER. *Water: The Vital Essence.*
New York: Harper and Row, 1967, 223 pp.
Some errors occur in the sections on oceanography; concerned with use and pollution of water.

BUEHR, WALTER. *World Beneath the Waves.*
New York: W. W. Norton and Co., Inc., 1964, 112 pp. ($3.30).
Young reader.

BURKE, WILLIAM T. *Ocean Sciences, Technology, and the Future International Law of the Sea.*
Columbus, Ohio: Ohio State Univ. Press, 1966, 91 pp. ($1.50).

CAIDEN, MARTIN. *Hydrospace.*
New York: E. P. Dutton and Co., Inc., 1964, 320 pp. ($5.95).
Gadgetry and committee thinking.

CARLISLE, NORMAN. *Riches of the Sea: The New Science of Oceanology.*
New York: Sterling Publishing Co., Inc., 1967, 128 pp. ($3.95).
Young reader (gr. 7 and up).

CARSON, RACHEL L. *Under the Sea Wind.*
New York: New American Library, 1955, 157 pp. ($0.60, pb*).
A naturalist's picture of ocean life on the Atlantic coast.

* Paperback.

CARSON, RACHEL L. *The Sea Around Us.*
New York: Golden Press, Inc., 1958 ($4.95, pb.).
Young readers. A very readable account of the natural history of the sea; a general introduction to oceanography.

CARTER, KATHARINE. *True Book of Oceans.*
Chicago: Childrens Press, Inc. ($2.50).
Young reader (gr. K-3).

CHENEY, CORA and B. PARTRIDGE. *Underseas! The Challenge of the Deep Frontier.*
New York: Coward-McCann, Inc., 1961, 121 pp. ($2.95).
Young reader (gr. 6-10).

CIVIC EDUCATION SERVICE. *Underwater World.*
Young reader (pb.).

COKER, R. E. *This Great and Wide Sea.*
New York: Harper Torchbooks, the Science Library,
Harper and Brothers, 1962, 325 pp. ($2.25, pb.).
Good introduction to general oceanography; emphasis on history and biology.

CLARKE, W. D. *The Young Pathfinder's Book of the Oceans, Streams, and Glaciers.*
New York: Hart Publishing Co., Inc., 1964.

COGGINS, JACK. *Hydrospace; Frontier Beneath the Sea.*
New York: Dodd, Mead and Co., 1966, 96 pp. ($3.25).
Young readers (gr. 4-8).

COOMBS, CHARLES. *Deep-Sea World: The Story of Oceanography.*
New York: William Morrow and Co., 1966 ($4.95).
Young readers (gr. 7-9). A general book with many illustrations and photographs.

COUSTEAU, J. Y. *World Without Sun.*
New York: Harper and Row, 1965, 202 pp. ($10).

COWEN, ROBERT C. *Frontiers of the Sea.*
New York: Bantam Books, Inc., 312 pp. ($0.60, pb.).
Good introductory book; popular style.

CROMIE, WILLIAM J. *Exploring the Secrets of the Sea.*
Englewood Cliffs, N. J.: Prentice-Hall, Inc., 1962, 300 pp. ($5.95).
A good introduction to oceanography.

DANIEL, HAWTHORNE and FRANCIS MINOT. *The Inexhaustible Sea.*
New York: Collier Books, 1961, 192 pp. ($0.95, pb.).
Brief history and introduction; minerals, animals and plants.

DARWIN, GEORGE HOWARD. *The Tides, and Kindred Phenomena in the Solar System.*
San Francisco: W. H. Freeman and Co., 1962, 378 pp. ($2.75).
Readable classic on the tides, based on lectures of 1897.

DEACON, G. E. R., ed. *Seas, Maps and Men.*
New York: Doubleday and Co., Inc., 1962, 297 pp. ($9.95).
Many colorful illustrations; nontechnical. Historical approach.

DEL REY, LESTER. *The Mysterious Sea.*
Philadelphia: Chilton Book Co., 1962, 198 pp.

DOUGLAS, JOHN SCOTT. *The Story of the Oceans.*
Toronto: Dodd, 1952, 315 pp. ($4.50).
Popular account: tides, currents, marine life, etc.

DOUGLAS, T. S. *The Wealth of the Sea.*
London: J. Gifford, Ltd., 1946, 144 pp.
Minerals, seaweed, fisheries by-products, oil, power, and farming the sea.

DOUKAN, GILBERT. *World Beneath the Waves.*
Tuckahoe, New York: John DeGraff, Inc., 1957, 356 pp. ($6).

EMERY, K. O. and EVELYN SINHA. *Oceanography Books of the World—1957-1966.*
Washington, D. C.: Marine Technology Society, Inc. ($2).
Lists 574 book titles in three categories: technical, popular science, and fringe.

ENCYCLOPEDIA BRITANNICA. *Ocean and Oceanography.*
Vol. 16, 1959, pages 681-695.

EPSTEIN, SAM and BERYL. *The First Book of the Ocean.*
New York: Franklin Watts, Inc., 1961, 72 pp. ($2.65).
Young readers (gr. 4-7).

EPSTEIN, SAM and B. WILLIAMS. *The Real Book About the Sea.*
Garden City, N. Y.: Doubleday and Co., Inc., 1954, 223 pp. ($1.50).

ERICSON, DAVID and G. WOLLIN. *Ever-Changing Sea.*
New York: Alfred A. Knopf, Inc., 1967, 354 pp. ($7.95).

EVANS, IDRISYN O. *Observer's Book of the Sea and Seashore.*
New York: Frederick Warne and Co., Inc., 1962, 253 pp. ($1.50).
All aspects described.

FAIRBRIDGE, RHODES W., ed. *The Encyclopedia of Oceanography.*
New York: Reinhold Publ. Corp., 1966, 1,021 pp. ($25).
Both popular and technical articles.

FISHER, JAMES. *The Wonderful World of the Sea.*
Garden City, N. Y.: Doubleday and Co., Inc., 1957, 68 pp. ($2.95).

FREUCHEN, PETER and DAVID LOTH. *Peter Frenchen's Book of the Seven Seas.*
New York: Julian Messner, Inc., 1957, 512 pp. ($8.95).

GABER, NORMAN H. *Your Future in Oceanography.*
New York: Richards Rosen Press, Inc., 1967, 143 pp. ($4).
This publication useful for high school and college students who are considering a career in oceanography or ocean engineering.

GROSS, M. GRANT. *Oceanography.*
Columbus, Ohio: Charles E. Merrill Books, Inc., 1967, 135 pp. (pb.).
One in a series of physical science textbooks intended for nonscience majors. It does not cover biological oceanography.

GUBERLET, MURIEL L. *Explorers of the Sea; Famous Oceanographic Expeditions.*
New York: Ronald Press Co., 1964, 226 pp. ($4.50).

HOLSAERT, EUNICE. *Ocean Wonders.*
New York: Holt, Rinehart and Winston, 1965 ($2.80).
Young reader.

HUNT, L. M. and D. G. GROVES. *A Glossary of Ocean Science and Undersea Technology Terms.*
Hamden, Conn.: Compass Publishing Co., 1965.

INTERAGENCY COMMITTEE ON OCEANOGRAPHY. *University Curricula in Oceanography, Academic Year 1965-66.*
Washington, D. C.: U.S. Atomic Energy Commission, Interagency Committee on Oceanography, 1965, 115 pp. (pb.).

INTERAGENCY COMMITTEE ON OCEANOGRAPHY. *University Curricula in the Marine Sciences, Academic Year 1967-68.*
Washington, D. C.: U.S. Government Printing Office, 1967, 157 pp. (pb.).

INTERAGENCY COMMITTEE ON OCEANOGRAPHY. *Opportunities in Oceanography.*
Washington, D. C.: Smithsonian Press, 1967 ($1.00, pb.).

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION. *Draft of a General Scientific Framework for World Ocean Study.*
New York: UNESCO Publications Center, 1965 ($1.00, pb.).

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION. *Five Years of Work.*
New York: UNESCO Publications Center, 1966 ($1.00, pb.).

KELLY, JOHN M., JR. *Surf and Sea.*
Cranbury, N. J.: A. S. Barnes and Co. ($6.95).

KING, C. A. M. *Oceanography for Geographers.*
New York: McGraw-Hill Book Co., 1962, 337 pp. ($9).
Very similar to *An Introduction to Oceanography* by the same author.

KING, C. A. M. *An Introduction to Oceanography.*
New York: McGraw-Hill Book Co., 1965, 337 pp. ($9).
Good general introductory book.

KIRWAN, L. P. *A History of Polar Exploration.*
Baltimore: Penguin Books, Inc., 1962, 408 pp. (pb.).

KLINGEL, G. C. *The Ocean Island.*
New York: Doubleday and Co., 1961, 415 pp. ($1.45, pb.).

KOVALLK, VLADIMIR and NADA KOVALLK. *The Ocean World.*
New York: Holiday House, 1966, 191 pp. ($4.50).
An introduction to oceanography. Contains information on preparation for careers in oceanography. Young readers (gr. 8-12).

LANE, FERDINAND C. *All About the Sea.*
New York: Random House, 1953, 148 pp. ($2.50).
Young readers.

LEWIS, FLORA. *One of Our H-Bombs is Missing.*
New York: McGraw-Hill, 1967, 270 pp. ($5.95).
Recovery of the H-bomb from the sea off Palomares, Spain.

LONG, E. JOHN, ed. *Ocean Sciences.*
U. S. Naval Institute, 1964, 304 pp. ($10.50).
Emphasis on military needs.

LONG, E. JOHN. *New Worlds of Oceanography.*
New York: Pyramid Publications, 1965, 221 pp. ($0.75, pb.).
About developments and devices; defense oriented. Contains many errors.

MALKUS, ALIDA SIMS. *The Sea and Its Rivers.*
Garden City, N. Y.: Doubleday and Co., 1956, 221 pp. ($2.75).
Elementary; brief description of various facts.

MALLON, LLOYD. *Secrets of the Sea.*
Greenwich, Conn.: Fawcett Publ., 1965, 112 pp. ($0.75, pb.).
Concerned with instruments of oceanography; luxuriously illustrated.

MANLEY, SEON and GOGO LEWIS, eds. *Oceans: A Treasury of the Sea World.*
New York: Doubleday and Co., Inc., 1967, 262 pp. ($4.70).

MARSHALL, OLGA. *Deep Blue Sea.*
New York: Transatlantic Arts, Inc. ($3).
Young reader (gr. 4-7).

MARX, WESLEY. *The Frail Ocean.*
New York: Coward-McCann, Inc., 1967, 248 pp. ($5.95).

MILLER, ROBERT C. *The Sea.*
New York: Random House, 1966, 311 pp. ($15).
Beautiful color photographs; nontechnical introductory book.

MORGAN, ELIZABETH. *In the Deep Blue Sea.*
New York: Prentice-Hall, Inc., 1962 ($3.50).
Young reader.

NATIONAL GEOGRAPHIC SOCIETY. *World Beneath the Sea.*
Washington, D. C.: National Geographic Society ($4.25).

NATIONAL RESEARCH COUNCIL, COMMITTEE ON OCEANOGRAPHY. *Economic Benefits from Oceanographic Research.* National Academy of Sciences, NRC No. 1228.
Washington, D. C.: National Academy of Sciences, 1964.

NATIONAL RESEARCH COUNCIL, COMMITTEE ON OCEANOGRAPHY. *Oceanography Information Sources.*
Washington, D. C.: National Academy of Sciences, 1966 ($1.50, pb.).

NATIONAL RESEARCH COUNCIL, NATIONAL ACADEMY OF SCIENCES. *Oceanography 1966: Achievements and Opportunities.*
Washington, D. C.: National Academy of Sciences Printing and Publ., 1967, 183 pp. ($5, pb.).
Recommends areas of oceanographic research that should be continued or expanded.

NIGHTINGALE, CHARLES. *Exploiting the Oceans.*
New York: Roy Publishers, Inc. ($3.95).

PELL, CLAIBORNE and H. L. GOODWIN. *Challenge of the Seven Seas.*
New York: William Morrow and Co., 1966, 306 pp. ($6.95).

PIZER, VERNON. *World Ocean: Man's Last Frontier.*
Cleveland, Ohio: World Publishing Co., 1967, 192 pp. ($4.60).
Young reader (gr. 7-12).

RAY, CARLETON. *Wonders of the Living Sea.*
Toronto: Parents Magazine (Home Library Press) Ryerson Press, 1963, 56 pp. ($3).
Young reader (gr. 5-8).

REED, W. M. and W. S. BRONSON. *The Sea for Sam.*
New York: Harcourt, Brace and World, Inc., 1960, 243 pp. ($4.95).
Young reader (gr. 6-10).

SCHARFF, ROBERT. *How and Why Wonder Book of Oceanography.*
New York: Grosset and Dunlap, Inc., 1964, 47 pp. ($0.50, pb.).
Young reader (gr. 2-6).

SELSAM, M. E. and B. MORROW. *See Through the Sea.*
New York: Harper and Row, 1955 ($2.50).
Young reader.

SHANNON, TERRY, and CHARLES PAYZANT. *Project Sealab: The Story of the United States Navy's Man-in-the-Sea Program.*
San Carlos, Calif.: Golden Gate Junior Books, 1966, 96 pp. ($3.80).
Conducted by the Deep Submergence Systems Projects Office of the Navy's Special Projects Office in conjunction with the Office of Naval Research.

SHERMAN, D. *You and the Oceans.*
Chicago: Childrens Press, Inc. ($3).

SLOSKY, BILL and ART WALKER. *Guide to the Underwater.*
New York: Sterling Publishing Co., 1966, 192 pp. ($10).
Scenes of the coral reef of the Virgin Islands and other tropical regions.

SMITH, F., G. WALTON, and HENRY CHAPIN. *The Sun, the Sea, and Tomorrow: Potential Sources of Food, Energy, and Minerals from the Sea.*
New York: Charles Scribner's Sons, 1954, 210 pp. ($3.50).
Minerals, food and power from the sea; fish farming.

SMITH, F., G. WALTON, and HENRY CHAPIN. *The Ocean River.*
New York: Charles Scribner's Sons, 1962, 325 pp. ($1.65, pb.).
North Atlantic, Gulf Stream and currents, and marine life.

SMITHSONIAN INSTITUTION. E. John Long. *Opportunities in Oceanography.*
Washington, D. C.: Smithsonian Publ. No. 4537, 1964, 30 pp. ($0.50, pb.).

SOULE, GARDNER. *The Ocean Adventure.*
New York: Appleton Century, Meredith Press, 1966, 278 pp. ($5.95).
Presents a broad picture of the latest underwater discoveries and technical advances.

SPAR, J. *Earth, Sea and Air; A Survey of the Geophysical Sciences.*
Reading, Mass.: Addison-Wesley Publ. Co., Inc., 1962, 152 pp. ($1.75, pb.).

SPECTORSKY, AUGUSTE C., ed. *Book of the Sea.*
New York: Grosset and Dunlap, Inc., 1954, 64 pp. ($5.95).
A collection of writings about the sea in all its aspects.

SPILHAUS, A. F. *A Satellite of the Sun.*
New York: Viking Press, Inc., 1958, 111 pp. ($3.50, pb.).
The science of the earth and its surroundings.

SPILHAUS, A. F. *Turn to the Sea.*
Washington, D. C.: National Academy of Sciences Printing and Publ., 1959, 44 pp. ($1.00, pb.).

SPILHAUS, A. F. *The Ocean Laboratory*
Mankato, Minn.: Creative Educational Society, 1967, 112 pp. ($5.95).
Young reader (gr. 4-8).

STAMBLER, IRWIN. *Wonders of Underwater Exploration.*
New York: G. P. Putnam's Sons, 1962, 128 pp. ($2.85).

STEPHENS, WILLIAM M. *Science Beneath the Sea: The Story of Oceanography.*
New York: G. P. Putnam's Sons, 1966, 224 pp. ($3.50).
Describes facts and findings of oceanography. Young reader.

STEWART, H. B., JR. *Deep Challenge.*
Princeton, N. J.: D. Van Nostrand Co., Inc., 1966, 224 pp. ($5.95).
A nontechnical review of the range of research in oceanography. Many photographs of ships, instruments, and materials are included.

STEWART, H. B., JR. *The Global Sea.*
New York: D. Van Nostrand Co., Inc., 1963, 126 pp. ($1.45, pb.).
Easy reading; covers all phases of oceanography.

STOMMEL, HENRY. *Science of the Seven Seas.*
Cambridge, Md.: Cornell Maritime Press, Inc., 1945, 208 pp. ($2.50).

SUTTON, SIR GRAHAM, ed. *The World Around Us.*
New York: Collier Books, 1963, 128 pp. ($0.95, pb.).

SVERDRUP, H. U., M. W. JOHNSON, and R. H. FLEMING. *The Oceans, Their Physics, Chemistry, and General Biology.*
New York: Prentice-Hall, Inc., 1942, 1,087 pp. ($17.95).
A comprehensive technical treatise.

TROEBST, CORD-CHRISTIAN. *Conquest of the Sea.*
New York: Harper and Row Pubs., 1962, 269 pp. ($4.95).
Military emphasis; marginal value.

U. S. DEPARTMENT OF AGRICULTURE. *Water—The Yearbook of Agriculture.*
Washington, D. C.: U. S. Government Printing Office, 1955.

U. S. GOVERNMENT PRINTING OFFICE. PRESIDENT'S SCIENCE ADVISORY COMMITTEE. *Effective Use of the Sea.*
Washington, D. C.: U. S. Government Printing Office, 1966, 144 pp. ($0.60, pb.).
A report of the Panel on Oceanography. The panel was composed mainly of nonoceanographers; consequently, oceanographers may disagree with some of the statements.

UNITED NATIONS PUBLICATIONS. *Pollution of the Sea by Oil.*
New York: United National Associations of the United States of America, Inc., 235 pp. ($1.50, pb.).

U. S. NAVAL OCEANOGRAPHIC OFFICE. *Ocean Science Study Kit.*
Clearfield, Utah: Naval Oceanographic Distribution Office (Student's kit $1.60; teacher's kit $3.20).
Includes many interesting booklets on various aspects of oceanography. Several laboratory exercises are included.

U. S. NAVAL OCEANOGRAPHIC OFFICE. *Science and the Sea.*
Washington, D. C.: U. S. Government Printing Office, 1966 ($0.75, pb.).
A compilation of interesting articles that appeared on the *Pilot Charts* published by the Oceanographic Office. These are very informative and well written.

UNIVERSITY OF WASHINGTON. *Oceanographic Resources of the Pacific Northwest.*
Seattle, Washington: Univ. of Washington Press.
Areas of study include Oregon, Washington, British Columbia, and Alaska.

VOGEL, HELEN W. and MARY L. CARUSO. *Ocean Harvest: The Future of Oceanography.*
New York: Alfred A. Knopf, Inc., 1961, 144 pp. ($3.10).
Young reader.

WALSH, DON. *United States and the World Ocean.*
Washington, D. C.: Smithsonian Press, 1965 ($0.75, pb.).

WARE, KAY and L. SUTHERLAND. *Let's Read About the Sea.*
New York: McGraw-Hill Book Co., 1960 ($0.89).
Young reader.

WENZEL, HEIN. *The Sea.*
Available from: Cornell Book Shop, Box 109, Cambridge, Maryland (1965; $17.50).
Many excellent photographs.

WEEKS, TIM and RAMONA MAHER. *Ice Island: Polar Science and the Arctic Research Laboratory.*
New York: John Day Co., 1965, 224 pp. ($4.95).
Modern Arctic expeditions on ice islands. Includes several photographs.

WEYL, PETER. *Oceanography: Introduction to the Marine Environment.*
New York: John Wiley and Sons, Inc., 1968, 308 pp. (Preliminary edition $3.50).
An introductory text to the earth sciences.

WILLIAMS, F. L. *Matthew Fontaine Maury, Scientist of the Sea.*
New Brunswick, N. J.: Rutgers Univ. Press, 1963, 720 pp. ($10).

YASSO, WARREN. *Oceanography; A Study of Inner Space.*
New York: Holt, Rinehart and Winston, 1966, 176 pp. ($1.30, pb.).
Emphasis on geological oceanography but also has other introductory material.

History and Exploration

ARMSTRONG, TERENCE. *The Northern Sea Route: Soviet Exploration of the North East Passage.*
New York: Cambridge Univ. Press, 1952, 162 pp. ($4.25).
Of moderate interest, concerning exploration of the Arctic.

BRINDZE, RUTH. *All About Undersea Exploration.*
New York: Random House, 1960, 146 pp. ($2.50).
Young reader.

BROWN, LLOYD A. *The Story of Maps.*
Boston: Little, Brown and Co., 1949, 397 pp. ($7.50).
History of map making and oceanographic discoveries.

CLARKE, ARTHUR C. *The First Five Fathoms.*
New York: Harper and Row Pubs., 1960, 83 pp. ($2.75).
Aqua-lung diving; a guide to underwater adventure.

COUSTEAU, JACQUES YVES with JAMES DUGAN. *The Silent World.*
New York: Cardinal, 1953, 152 pp. ($0.75, pb.).
Good underwater adventure.

COUSTEAU, JACQUES YVES with JAMES DUGAN. *The Living Sea.*
New York: Pocket Books, Inc., 1964, 239 pp. ($0.75, pb.).

DARWIN, C., Abridged by M. E. SELSAM. *The Voyage of the Beagle.*
New York: Harper and Row Pubs., 1959, 327 pp. ($3.95).

DARWIN, C., Introduction by LEONARD ENGEL. *The Voyage of the Beagle.*
New York: Doubleday and Co., Inc., 1962, 524 pp. ($1.45, pb.).

DAUGHTERY, *C. M. Seachers of the Sea.*
New York: Viking Press, Inc., 1961 ($3).
Young readers.

DE LATIL, PIERRE and JEAN RIVOIRE. *Man and the Underwater World.*
New York: G. P. Putnam's Sons, 1956 ($5).
History of man's underwater endeavors.

DIBNER, B. *The Atlantic Cable.*
Waltham, Mass.: Blaisdell Publ. Co., Inc., 1964, 180 pp. ($1.95).

DIBNER, B. *Darwin of the Beagle.*
Waltham, Mass.: Blaisdell Publ. Co., Inc., 1964 ($1.90).

DUGAN, JAMES. *Man Explores the Sea.*
Baltimore: Penguin Books, Inc., 1960, 416 pp. (pb.).
History of exploration by diving from earliest times to Commandant Cousteau.

DUGAN, JAMES. *Man Under the Sea.*
New York: Collier Books, 1964 (pb.).

ELLAM, PATRICK. *Underwater and Sea Adventure.*
New York: Grosset and Dunlap, Inc. ($3).

ERICSON, DAVID B. and GOESTA WOLLIN. *The Deep and the Past.*
Available from: Cornell Book Shop, Box 109, Cambridge, Maryland, 292 pp. (1964; $6.95).
Dating determination of the duration of the last four ice ages.

GASKELL, T. F. *Under the Deep Oceans; Twentieth Century Voyages of Discovery.*
New York: W. W. Norton and Co., Inc., 1960, 239 pp. ($3.95).

GASKELL, T. F. *World Beneath the Oceans.*
New York: Doubleday and Co., Inc., 1964 ($4.95).
Young reader.

GORSKY, BERNARD. *Vastness of the Sea; Adventure in the Mysterious Depths.*
Toronto: Little, Brown and Co., 1957, 305 pp. ($5).
Scuba diving.

GUBERLET, M. L. *Explorers of the Sea; Famous Oceanographic Expeditions.*
New York: Ronald Press Co., 1964, 226 pp. ($4.50).

HERDMAN, WILLIAM ABBOTT. *Founders of Oceanography and Their Work: An Introduction to the Science of the Sea.*
London: E. Arnold and Co., 1923, 340 pp.

HEYERDAHL, THOR. *Kon-Tiki; Across the Pacific by Raft.*
New York: Rand McNally and Co., 1950, 304 pp. ($4).
Interesting account of raft trip across Pacific from South America.

INTERAGENCY COMMITTEE ON OCEANOGRAPHY. *Undersea Vehicles for Oceanography.*
Washington, D. C.: U. S. Government Printing Office, 1965.

JOHNSTONE, JAMES. *A Study of the Oceans.*
Ontario: Longmans Canada, Ltd., 1926, 215 pp. ($3.75).
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KENYON, LEY. *Collins' Pocket Guide to the Undersea World.*
Toronto: Collins, 1956, 256 pp. ($4.50).
Designed for underwater swimmers; photography, archeology, and fish identification.

LAUER-LEONARDI, BORIS. *Soundings: Essays on the Sea and the Men Who Follow Her.*
New York: Taplinger Publ. Co., Inc., 1966 ($25).

MIELCHE, HAKON. *Round the World with Galathea.*
London: William Hodge and Co., Ltd., 1953, 241 pp.
Informal account of a 1950-52 Danish expedition.

MURRAY, JOHN and JOHAN HJORT. *The Depths of the Ocean: A general account of the modern science of oceanography based largely on the scientific researches of the Norwegian steamer Michael Sars in the North Atlantic.*
New York: Stechert-Hafner Service Agency, Inc., 1912 ($37.50).
Good account of early oceanographic expeditions.

PETERSON, MENDEL. *History Under the Sea. A Handbook for Underwater Exploration.*
Washington, D. C.: Smithsonian Publ., 1965, 108 pp. (pb.).
Undersea archaelogy, mostly in the Florida area.

PETTERSSON, HANS. *Westward Ho with the ALBATROSS.*
New York: E. P. Dutton and Co., Inc., 1953, 218 pp. ($4).
Summary of a Swedish expedition.

PICCARD, JACQUES and R. S. DIETZ. *Seven Miles Down; The Story of the Bathyscaphe Trieste.*
New York: G. P. Putnam's Sons, 1961, 249 pp. ($5).
Young reader.

POOLE, LYNN. *Diving for Science.*
New York: McGraw-Hill Book Co., 1955, 160 pp. ($2).
Young reader (gr. 8-12).

RAITT, HELEN. *Exploring the Deep Pacific.*
Denver: Sage Books, 1964, 272 pp. ($1.95, pb.).
Oceanographer's wife reports on an expedition led by scientists from Scripps Institution of Oceanography in 1952-53.

RICKETTS, EDWARD F. and JOHN ERNST STEINBECK. *Sea of Cortez; A Leisurely Journal of Travel and Research.*
New York: Viking Press, Inc., 1941, 598 pp. ($5).
Research trip into Gulf of California and list of animals encountered.

ROSE, J. HOLLAND. *Man and the Sea; Stages in Maritime and Human Progress.*
Boston: Houghton Mifflin Co., 1936, 288 pp. ($3).
Early efforts in shipbuilding and exploring.

VILLIERS, A. J. *The Ocean; Man's Conquest of the Sea.*
New York: E. P. Dutton and Co., Inc., 1963, 192 pp. ($3.95).

WILSON, J. T. *The Year of the New Moons. International Geophysical Year.*
New York: Alfred A. Knopf, Inc., 1961.

WRIGHT, HELEN and S. RAPPORT, eds. *Great Undersea Adventures.*
New York: Harper and Row Pubs., 1966 ($4.45).
Young reader (gr. 6-10).

Physical Oceanography

BASCOM, WILLARD. *Waves and Beaches; The Dynamics of the Ocean Surface.*
Garden City, New York: Doubleday and Co., 1964, 267 pp. ($1.45, pb.).
Excellent discussion of waves, tides, and beaches; easy reading.

BIGELOW, HENRY B. and W. T. EDMONDSON. *Wind Waves at Sea, Breakers and Surf.*
U. S. Navy Hydrographic Office Publication No. 602, 1947.
Readable account of waves.

BUNTON, GEORGE W. *The Tides.*
Honolulu: Bishop Museum Press, 1966, 18 pp. (pb.).
Briefly treats the fundamental causes of tides.

DAVIS, KENNETH S. and JOHN ARTHUR DAY. *Water, the Mirror of Science.*
New York: Doubleday and Co., Inc., 1961, 195 pp. ($1.45, pb.).
A discussion of the important properties of water.

DEFANT, A. *Ebb and Flow; The Tides of Earth, Air, and Water.*
Ann Arbor: Univ. of Michigan Press, 1958, 121 pp. ($4, pb.).
Good semi-technical book on tides.

DEMPSEY, M. *Skies and Seas; Foundations of Meteorology, Oceanography and Cartography.*
New York: Ginn and Co., 1966, 128 pp. ($5.25).

GROEN, P. *The Waters of the Sea.*
Princeton, N. J.: D. Van Nostrand Co., Inc., 1967, 328 pp. ($10.50).
A semi-technical description of aspects of physical oceanography. Longshore currents, shoreline processes, estuaries, and water masses are not given proper emphasis; a chapter on ice in the sea is included.

KING, THOMSON. *Water: Miracle of Nature.*
New York: Collier Books, 1961, 221 pp. ($0.95, pb.).

KUENEN, P. H. *Realms of Water: Some Aspects of Its Cycle in Nature.*
New York: John Wiley and Sons, Inc., 1963, 327 pp. ($1.95, pb.).
Emphasis on inland waters but does have some oceanography.

MACMILLAN, D. H. *Tides.*
New York: American Elsevier Publ Co., 1966, 240 pp. ($9.50).
Mainly a nonmathematical treatment; many interesting facts not readily found elsewhere.

MARMER, H. A. *The Tide.*
New York: Appleton-Century-Crofts, 1926, 282 pp. ($2.50).
Clearly written, easily understood description of tides.

MAURY, M. F. and JOHN LEIGHLY, eds. *The Physical Geography of the Sea and its Meteorology.*
Cambridge, Mass.: Harvard Univ. Press, 1963, 432 pp. ($8.50).
A reprint of one of the first books on oceanography. Originally published about 1850.

PHILLIPS, O. M. *Dynamics of the Upper Ocean.*
New York: Cambridge Univ. Press, 1966, 261 pp. ($11.50).

PICKARD, GEORGE L. *Descriptive Physical Oceanography: An Introduction.*
New York: Pergamon Press, 1963, 200 pp. ($4.50, pb.).
Excellent discussion of currents, temperature, salinity, and density distribution in the sea.

STEWART, JOHN QUINCY. *Coasts, Waves, and Weather for Navigators.*
New York: Ginn and Co., 1945, 347 pp. ($3.75).
Much information of general interest on sea, air, and land.

TRICKER, R. A. R. *Bores, Breakers, Waves and Wakes: An Introduction to the Study of Waves on Water.*
New York: American Elsevier Publ. Co., 1965, 250 pp. ($6.50).
Discussion of the topics in the title; some algebra used.

U. S. DEPARTMENT OF COMMERCE. *Climatological and Oceanographic Atlas for Mariners. Vol. II. North Pacific Ocean.*
Washington, D. C.: U. S. Government Printing Office, 1961 ($4).
Summarizes sea surface data on easy-to-read charts. Atlases also available on other oceans.

U. S. NAVAL OCEANOGRAPHIC OFFICE. *American Practical Navigator by Bowditch.* Part 6—*Oceanography;* Part 8—*Hydrography.*
Washington, D. C.: U. S. Government Printing Office, 1966, H. O. No. 9. (Approx. $0.65 each, pb.).

U. S. NAVAL OCEANOGRAPHIC OFFICE. *Sea and Swell Observations.*
Washington, D. C.: U. S. Government Printing Office, 1966, H. O. No. 606e (pb.).

WILLIAMS, JEROME. *Oceanography, an Introduction to the Marine Sciences.*
Waltham, Mass.: Little, Brown and Co., 1962, 242 pp.
Emphasis on physical oceanography; many chapters are technical.

Chemical Oceanography

ARMSTRONG, E. F. and L. M. MIALL. *Raw Materials from the Sea.*
New York: Chemical Publ. Co., Inc., Tudor Publ. Co., 1946, 164 pp. ($3.75).
Chemical problems and extraction of minerals.

BARNES, H. *Apparatus and Methods of Oceanography.*
Toronto: Allen and Son, Ltd., 1959 ($6.25).
Methods of chemical oceanography.

DAY, F. H. *The Chemical Elements in Nature.*
New York: Reinhold Publ. Corp., 1964, 372 pp. ($9.50).
Not specifically about the ocean but nevertheless an interesting book for background on chemical oceanography.

GIRELLI, A., ed. *Fresh Water from the Sea.*
New York: Pergamon Press, Inc., 1965, 201 pp. ($9).
Entire proceedings of the Symposium "Fresh Water from the Sea." (An international survey held in Milan, Italy.)

SPORN, PHILIP. *Fresh Water from Saline Waters.*
New York: Pergamon Press, Inc., 1966, 35 pp. ($2.45, pb.).
Political, social, and engineering aspects of desalination.

UNITED NATIONS PUBLICATIONS. *Water Desalination in Developing Countries.*
Washington, D. C.: U. S. Government Printing Office, 325 pp. ($4, pb.).
Conversion of sea or brackish water into fresh water in the developing countries; 44 maps.

UNITED KINGDOM ATOMIC ENERGY AUTHORITY. *Desalination and Its Role in Water Supply.*
London: Her Majesty's Stationery Office, 1967, 103 pp.
An assessment of desalting methods with emphasis on British achievement.

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BASCOM, WILLARD N. *A Hole in the Bottom of the Sea.*
New York: Doubleday and Co., Inc., 1961, 352 pp. ($5.75).
The story of the Mohole Project.

COOPER, WILLIAM S. *Coastal Sand Dunes of Oregon and Washington.* (Reprint of 1958 edition.)
New York: Geological Society of America Memoir 72, 1967, 169 pp. ($7.75).
Forms, processes, environment, and history of the dune localities of the Oregon-Washington coast.

COTTER, CHARLES. *The Physical Geography of the Sea.*
New York: American Elsevier Publ. Co., 1965, 317 pp. ($7).
Intended to be an introductory book but heavily geological in emphasis.

CROMIE, W. J. *Why the Mohole: Adventures in Inner Space.*
Waltham, Mass.: Little, Brown, and Co., 1964, 230 pp. ($4.75).

FORSEE, AYLESA. *Beneath Land and Sea.*
Philadelphia: Macrae Smith Co., 1962, 194 pp. ($3.95).
Geology; chapter on crops from the sea and other topics such as archaeology.

MERO, JOHN L. *The Mineral Resources of the Sea.*
New York: American Elsevier Publ Co., 1965, 312 pp. ($18).

PETTERSSON, HANS. *The Ocean Floor.*
Oxford: Yale Univ. Press, 1954, 181 pp. ($3).
General description and theories of ocean floor and its evolution.

SHEPARD, F. P. *Submarine Geology.*
Scranton, Pa.: Harper and Row Pubs., 1963, 557 pp. ($11.50).
Frequently used as a textbook.

SHEPARD, F. P. *The Earth Beneath the Sea.*
New York: Atheneum, 1964, 275 pp. ($1.65, pb.).
Many details of marine geology; good account of a tsunami in Hawaii.

SHEPARD, F. P. and R. F. DILL. *Submarine Canyons and Other Sea Valleys.* (Rand McNally Geology Series.)
New York: Rand McNally and Co., 1966, 381 pp. ($9.50).

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New York: The New American Library of World Literature, Signet Books, KT 375, 1961, 221 pp. (pb.).
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ABBOTT, R. TUCKER. *American Seashells.*
Toronto: Van Nostrand, 1954.
Available from: Cornell Book Shop, Box 109, Cambridge, Maryland ($15).
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ALEXANDER, W. B. *Birds of the Ocean.*
New York: G. P. Putnam's Sons, 1954, 282 pp. ($4.25).
A handbook for voyagers; contains descriptions of all the sea-birds of the world with notes on their habits and guides to their identification.

ALPERS, A. *Dolphins; The Myth and the Mammal.*
Toronto: Houghton, 1961, 268 pp. ($5).

BARNES, HAROLD, ed. *Oceanography and Marine Biology.*
New York: Hafner Publ. Co., Inc., 1964, Vols. 1 and 2 ($12 ea.).

BARNETT, LINCOLN and the editors of LIFE. *The World We Live In.*
New York: Golden Press, Inc., 1967, 224 pp. ($2.50, pb.).
Adapted from the original edition of 1956; contains many useful and interesting color photographs.

BERRILL, JACQUELYN. *Wonders of the Seashore.*
New York: Dodd, Mead and Co., 1951, 69 pp. ($2.50).

BERRILL, NORMAN JOHN. *The Life of the Ocean.*
New York: McGraw-Hill Book Co., 232 pp. ($4.95).
Young readers (gr. 6 and up).

BERRILL, NORMAN JOHN. *The Living Tide.*
New York: Fawcett Publ., Inc., 1956, 239 pp. ($0.60, pb.).
Discussion of marine life on the Atlantic coast, from Dry Tortugas south of Florida to Maine.

BERRILL, NORMAN JOHN and JACQUELYN. *1001 Answers to Questions About the Seashore.*
New York: Grosset and Dunlap, Inc. ($1.50, pb.).

BREDER, C. M., JR. *Marine Fishes of the Atlantic Coast.*
New York: G. P. Putnam's Sons, 1948, 332 pp. ($4.50).
Field book of marine fishes of the Atlantic coast from Labrador to Texas; a short description of their characteristics and habits with keys for their identification.

BRITISH COLUMBIA PROVINCIAL MUSEUM. *Handbook Series.* No. 7 *The Barnacles of British Columbia* ($0.75, pb.); No. 8 *The Birds of British Columbia: Shorebirds* ($0.50, pb.); No. 13 *The Birds of British Columbia: Gulls, Terns, Jaegers, Skua* ($0.25, pb.); No. 17 *The Intertidal Bivalves of British Columbia* (Quayle, D. B., 1960, 104 pp., $0.50, pb.); No. 21 *Guide to Marine Life of British Columbia* (Carl, G. Clifford, 1963, 135 pp., $0.50, pb).
Dept. of Recreation and Conservation, Victoria, B. C.
Attractive and useful guides; mostly on mammals, fishes, and birds.

BURTON, MAURICE. *Under the Sea.*
New York: Watts, Franklin, Inc., 1960, 256 pp. ($4.95).
About animals in the sea; good photographs.

CALIFORNIA DEPARTMENT OF FISH AND GAME. *Inshore Fishes.*
Sacramento, California: Printing Division ($0.35, pb.).

CARAS, ROGER A. *Dangerous to Man; Wild Animals: A Definitive Study of Their Reputed Dangers to Man.*
Philadelphia: Chilton Books, 1964, 433 pp.
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CARR, A. *So Excellent a Fishe: A Natural History of Sea Turtles.*
New York: Doubleday and Co., Inc., 1967, 248 pp. ($5.95).
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CARRINGTON, RICHARD. *A Biography of the Sea.*
New York: Basic Books, Inc., 1960, 285 pp. ($5).
The story of the world ocean, its animal and plant populations and influence on human history.

CARSON, RACHEL L. *Edge of the Sea.*
New York: The New American Library, Inc., 1955, 221 pp. ($0.60, pb.).
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CARTHY, J. D. *Animal Navigation; How Animals Find Their Way About.*
New York: Charles Scribner's Sons, 1957, 152 pp. ($3.95).

CHAPMAN, V. J. *Coastal Vegetation.*
Long Island City, New York: Pergamon Press, 1964, 245 pp. ($3.75, pb.).
Largely British examples. Seawater, marsh, and dune vegetation.

CLARKE, ARTHUR C. and MIKE WILLIAMS. *The Treasures of The Great Reef.*
New York: Harper and Row, 1965, 210 pp. ($0.85, pb.).
Treasure hunting in an old wreck.

CLEMENS, W. A. and G. V. WILBY. *Fishes of the Pacific Coast of Canada.*
Fisheries Research Board of Canada Bull. No. 68. Ottawa: Queen's Printer, 1961, 443 pp. ($8.50).
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CLEMONS, ELIZABETH. *Tide Pools and Beaches.*
New York: Alfred A. Knopf, Inc., 1964, 78 pp. ($3.75).

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New York: Harcourt, Brace and World, Inc., 187 pp. ($0.60, pb.).
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CROMIE, W. J. *The Living World of the Sea.*
Englewood Cliffs, N. J.: Prentice-Hall, Inc., 1966, 343 pp. ($6.95).
Chapters on various types of marine organisms as well as on such topics as the origin of life and food from the sea.

DAKIN, W. J. *Australian Seashores.*
Sydney and London: Angus and Robertson, 1953, 372 pp.
Great Barrier Reef and some mention of other Australian coral reefs; intertidal.

DARWIN, CHARLES. *The Voyage of the Beagle.*
New York: Bantam Books, 1958, 439 pp. ($0.50, pb.).
Not exclusively about the sea; good for biology.

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Berkeley: Univ. of California Press, 1962 ,214 pp. ($1.95, pb.).
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DAVIES, DAVID HERBERT. *About Sharks and Shark Attack.*
Natal, South Africa: Shuter, Shuter, and Shoater, Ltd., 238 pp. ($7.50).

DAUGHERTY, ANITA E. *Marine Mammals of California.*
Sacramento, California: Printing Division, Dept. of Fish and Game, 1965, 87 pp.

DAWSON, E. YALE. *How to Know the Seaweeds.*
Dubuque: Wm. C. Brown Co., 1966, 197 pp. ($2.25, pb.).
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DAWSON, E. YALE. *Seashore Plants of Northern California.*
Berkeley: Univ. of California Press, 1966 ($1.75, pb.).
Many Oregon species included.

DAWSON, E. YALE. *Seashore Plants of Southern California.*
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Many Oregon species included.

DEVINE, E. and M. CLARK, eds. *The Dolphin Smile (29 Centuries of Dolphin Lore).*
New York: The Macmillan Co., 1967, 370 pp. ($7.95).
A summary of literature on the dolphin, ranging from ancient to present-day times.

ENGEL, LEONARD. *The Sea.*
New York: Time-Life Books, 1967, 190 pp. ($4.95).
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FITCH, JOHN E. *Offshore Fishes of California.*
Sacramento, California: Printing Division, Dept. of Fish and Game, 1963, 80 pp. ($0.35, pb.).

FRASER, JAMES. *Nature Adrift: The Story of Marine Plankton.*
Philadelphia: Dufour Editions, 1962, 178 pp.

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Bellingham, Washington; Pioneer Printing Co., 1966, 455 pp.
A complete guide to northwest species.

GAUL, ALBRO TILTON. *The Wonderful World of the Seashore.*
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GIBBONS, EUELL. *Stalking the Blue-Eyed Scallop.*
New York: David McKay Co., 1964, 332 pp.

GILBERT, PERRY W., ed. *Sharks and Survival.*
Boston, Mass.: D. C. Heath and Co., 1963, 578 pp. ($10).

GUBERLET, MURIEL LEWIN. *Seaweeds at Ebb Tide.*
Seattle: Univ. of Washington Press, 1956, 182 pp. ($2.95, pb.).
Marine plants of the North Pacific coast; excellent for identification and information on species.

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Portland, Oregon: Binfords and Mort, 1962, 450 pp.
Especially useful for the Puget Sound and the Pacific Northwest.

HALSTEAD, BRUCE W. *Dangerous Marine Animals.*
Cambridge, Maryland: Cornell Maritime Press, Inc., 1959, 146 pp. ($4).
A valuable reference.

HARDY, SIR ALISTER. *The Open Sea: Its Natural History.*
Part I: *The World of Plankton;* Part II: *Fish and Fisheries.*
Boston, Mass.: Houghton Mifflin, 1965, Part I, 325 pp.; Part II, 322 pp. (One vol., $15).
Interestingly written; useful for the general reader as well as scientists. Many color plates.

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HEDGPETH, JOEL W. and SAM HINTON. *Common Seashore Life of Southern California.*
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HIATT, PAUL K., ed. *World Population and Future Resources.*
New York: American Book Co., 1952.
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HULL, SEABROOKE. *The Bountiful Sea.*
Englewood Cliffs, N. J.: Prentice-Hall, Inc., 1964, 340 pp. ($6.95).

IDYLL, C. P. *Abyss—The Deep Sea and the Creatures That Live In It.*
New York: Thomas Y. Crowell Co., 1964, 396 pp. ($6.95).
Very interesting discussion of animal life of the sea.

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JAGERSTEIN, GÖSTA and L. NILSSON. *Life in the Sea.*
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KEEGAN, HUGH L., ed., and W. V. MACFARLANE. *Venomous and Poisonous Animals and Noxious Plants of the Pacific Region.*
New York: Macmillan, 1963, 456 pp. ($22).
A collection of papers based on a symposium in the Pacific Health and Medical Science Division at the Tenth Pacific Science Congress.

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Chicago: Univ. of Chicago Press, 1962, 177 pp. ($1.50, pb.).
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New York: McGraw-Hill Book Co., 1949, 473 pp.

MANSFIELD, A. W. *Seals of Arctic and Eastern Canada.*
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New York: G. P. Putnam's Sons, 1950, 888 pp. ($6).

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Boston: Houghton Mifflin, 1952, 220 pp. ($3.75).
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Berkeley: Univ. of California Press, 1964, 122 pp. ($2.95, pb.).
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National Geographic Society. *Wondrous World of Fishes.*
Washington, D. C.; National Geographic Society, 1965, 367 pp. ($8.75).
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Newton, Lily. *Seaweed Utilization.*
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Norman, John. *A History of Fishes.*
New York: F. S. Stokes, 1931, 463 pp. ($7.50).
Standard work on description of fishes.

Norman, John R. and F. C. Fraser. *Field Book of Giant Fishes.*
New York: G. P. Putnam's Sons, 1949, 376 pp. ($5).
Excellent also for porpoises and dolphins; keys for identification.

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Toronto: Oxford Univ. Press, 1961, 244 pp. ($1.35).
General introduction to biological oceanography.

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RAYMONT, JOHN E. G. *Plankton and Productivity in the Oceans.*
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RICKETTS, E. F. and J. CALVIN. *Between Pacific Tides.*
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Comprehensive treatise with many illustrations of biota of the Pacific coast of North America.

ROEDEL, PHIL M. *Common Ocean Fishes of the California Coast.*
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ROUGHLEY, T. C. *Wonders of the Great Barrier Reef.*
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RUSSELL, F. S. and C. M. YONGE. *The Seas, Our Knowledge of Life in the Sea and How It Is Gained.*
New York: Warne, Frederick, and Co., Inc., 1963, 376 pp. ($7.95).
Although this book is oriented to the British Isles, it is quite interesting and useful along the Pacific coast; easy to read.

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SCHMITT, WALDO L. *Crustaceans.*
Ann Arbor: Univ. of Michigan Press, 1965, 204 pp. ($1.95, pb.).
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SILVERBURG, ROBERT. *The World of Coral.*
New York: Duell, Sloan and Pearce, Meredith Press, 1966, 150 pp.

SLIJPER, EARL J. *Whales.*
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SMITH, LYNWOOD. *Common Seashore Life of the Pacific Northwest.*
Healdsburg: Naturegraph Co., 1962, 66 pp. ($1.75, pb.).
For the Puget Sound area; also useful for Oregon coves.

SMITH, RICHARD and FRANK VAN SCHAICK. *Beachwalker's Guide.*
Santa Barbara: McNally and Loftin, 1964, 62 pp. ($1.95, pb.).
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SOUTHWARD, A. J. *Life on the Sea-Shore.*
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TAVOLGA, WILLIAM N., ed. *Marine Bio-Acoustics.* (Proceedings of a symposium held at the Lerner Marine Laboratory, Bimini, Bahamas, April 11-13, 1963.)
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Published by the Division of Continuing Education
of the Oregon State System of Higher Education

July 1968

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